

United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection & Quarantine
4700 River Road
Riverdale, MD 20737

Permit to Move Live Plant Pests, Noxious Weeds, and Soil
Intrastate Movement
Regulated by 7 CFR 330

This permit was generated electronically via the ePermits system

PERMITTEE NAME:	Dylan Thomas	PERMIT NUMBER:	P526P-18-01877
ORGANIZATION:	Koch Biological Solutions, LLC d/b/a Mendel Biological Solutions, LLC	APPLICATION NUMBER:	P526-190311-001
ADDRESS:	Koch Biological Solutions, LLC d/b/a Mendel Biological Solut 3935 Point Eden Way Hayward, CA 94545	FACILITY NUMBER:	N/A
MAILING ADDRESS:	Koch Biological Solutions, LLC d/b/a Mendel Biological Solut 3935 Point Eden Way Hayward, CA 94545	HAND CARRY:	Yes
PHONE:	510-329-7142	DATE ISSUED:	12/05/2019
FAX:		DATE AMENDED:	02/18/2020
DESTINATION:	CA	EXPIRES:	05/11/2021
RELEASE:	CA , (County: Yolo and Tulare)		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Bacillus safensis	Spores	Research - Field CA		Originally Collected from Within the Continental U.S.	MBS-216
Bacillus velezensis	Spores	Research - Field CA		Originally Collected from Within the Continental U.S.	MBS-203, MBS-216

PERMIT CONDITIONS

USDA-APHIS issues this permit to Dylan Thomas with Koch Biological Solutions, LLC (dba Mendel Biological Solutions) in Hayward, California. This permit authorizes the interstate movement of pure cultures of the listed regulated organisms or host material infected with pure cultures of the listed regulated organisms from within the continental United States for field research in Tulare and Yolo Counties in California.

This permit authorizes Paolo Castiglione of AgroTech Research in Woodland, California to receive and use the regulated materials/organisms for field research in Yolo County, California.

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THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.

Vickie Brewster
Vickie Brewster

DATE

02/18/2020

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

This permit authorizes Steve Deitz of Sawtooth Ag Research in Woodlake, California to receive and use the regulated materials/organisms for field research in Tulare County, California.

1.
 - This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the material(s) listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.
 - The permit number or a copy of the permit must accompany the shipment.
 - You must be an individual at least 18 years old, or legal entity such as partnership, corporation, association, or joint venture.
 - You are legally responsible for complying with all permit requirements and permit conditions.
 - If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
 - Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials/organisms authorized under this permit.

2. The permit holder must:

- maintain a valid PPQ526 permit so long as the regulated materials/organisms are received, handled, and released,
- take appropriate precautions to release regulated materials/organisms only at intended release sites,
- not assign or transfer this permit to other persons without APHIS PPQ authorization,
- maintain an official permanent work assignment, residence, or affiliation at the address on this permit,
- notify the Pest Permit Staff as soon as possible of any change in the permit holder's work assignment, residence, or affiliation,
- notify the Pest Permit Staff of the receipt of unauthorized and/or misdirected shipments of

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regulated materials/organisms.


Notifications to the Pest Permit Staff must be made via 866-524-5421 or pest.permits@aphis.usda.gov within one business day of the event triggering a notification.

3. This permit does not authorize movement or use of plant pathogens listed in the Public Health Security and Bioterrorism Preparedness and Response Act of 2002. If any organism listed as a Select Agent is identified from materials associated with this research, the permit holder is required to notify APHIS, Agriculture Select Agent Services (AgSAS) immediately by phone at 301-851-3300 option 3, and within seven (7) days submit APHIS/CDC Form 4A (Report of Identification of a Select Agent or Toxin in a Clinical or Diagnostic Laboratory) to APHIS, AgSAS; 4700 River Rd, Unit 2, Riverdale, MD 20737 (see instructions at: https://www.selectagents.gov/resources/APHIS-CDC_Form_4_Guidance_Document.pdf). Failure to comply with this requirement is a violation of the Agricultural Bioterrorism Protection Act of 2002. Plant pathogen select agents currently listed include: *Peronosclerospora philippinensis* (*Peronosclerospora sacchari*), *Conothyrium glycines* (formerly *Phoma glycinicola* and *Pyrenochaeta glycines*), *Ralstonia solanacearum*, *Rathayibacter toxicus*, *Sclerophthora rayssiae*, *Synchytrium endobioticum*, and *Xanthomonas oryzae*.
4. All persons working with the listed regulated materials/organisms must be informed of these permit conditions. Anyone working with these materials/organisms must agree to and sign/initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/APHIS but must be readily accessible and made available to Federal and State regulators upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized materials/organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

5. Paolo Castiglione of AgroTech Research in Woodland, California will be a recipient of the organisms listed on this permit.
He will act as the permit holder's agent, provide local oversight and will be responsible for activities carried out under this permit in Yolo County, California.
6. Steve Deitz of Sawtooth Ag Research in Woodlake, California will be a recipient of the organisms listed on this permit.
He will act as the permit holder's agent, provide local oversight and will be responsible for activities carried out under this permit in Tulare County, California.

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7. All packages for transport must minimally consist of both inner/primary and outer/secondary packages securely sealed so that both are effective barriers to escape or unauthorized dissemination of the listed materials/organisms. The inner/primary package(s) will contain all regulated materials/organisms and must be cushioned and sealed in such a way that it remains sealed during shock, impact, and pressure changes that may occur. The outer/secondary shipping container must be rigid and strong enough to withstand typical shipping conditions (dropping, stacking, impact from other freight, etc.) without opening.
8. Upon receipt of organisms regulated under this permit at the field research destination, all packages with the live organisms regulated under this permit including preparations (e.g., incubating cultures in various media for increase and growth/ treated soil, treated seeds) must be kept in laboratory, storage or similar areas with access restricted to authorized personnel.

Likewise, media mixing, seed treatment, soil incorporation and other application activities at the field site must be performed by authorized personnel.

9. The permit holder and/or those authorized by the permit holder shall conduct or supervise all field related activities connected with the use of the regulated organism(s), such as application, sampling and plant care. Plots must be located in limited access areas (i.e., not general traffic or public areas) and must be clearly marked during the duration of the experiments.

The Permit holder must maintain updated protocols for planned and on-going field trials, including maps or other depiction of plot locations and make them available to USDA APHIS upon request.


The total area of plots receiving inoculation must not exceed 10 acres in one year per culture/isolate. Multiple inoculation events on the same areas within the same year are not additive to the 10 acre limit, but additional field trials in other locations under other permits are additive.

10. Organisms must be shipped, or transported to the field, in sturdy leak-proof and escape-proof packages. Inoculum may be transported to the field via personal or project/company owned vehicles.
11. All necessary precautions must be taken to prevent escape of these cultures to other agricultural areas.

Plant or plant parts from the field trials containing the regulated material cannot be used for animal feed or any other purpose, and may not be moved across state lines.

12. You must notify us at Pest.Permits@aphis.usda.gov as soon as possible but not later than within 5 working days if the plant pathogen or associated host organism is found to have characteristics substantially different from those expected, or suffers any unusual occurrence (excessive mortality or morbidity, or unanticipated effect on non-target organisms).

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13. All un-used inoculum will be sufficiently heat or chemically treated to kill all plant pests prior to disposal. Alternatively, un-used inoculum and packing materials may be deep buried (at least two feet deep) on-site at the release site, or double bagged and disposed of in a municipal landfill.
14. There is to be no further movement or distribution of the listed regulated materials/organisms within the United States and its territories unless the recipient holds, or is named as a responsible party on a valid PPQ526 permit for receipt of such materials/organisms.

END OF PERMIT CONDITIONS

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